

CLAIMS

What is claimed is:

1. A computer rack system, comprising:
electronic components;
a rack including means for supporting said electronic components therein;
and
a drawer slidably mounted in said rack and configured to receive at least one data storage device.
2. The system according to claim 1 wherein said drawer includes means for supporting said data storage device in a desired position.
3. The system according to claim 1 wherein said drawer is configured to receive a plurality of data storage devices.
4. The system according to claim 1 wherein said drawer has a height that is an integral multiple of 1.75 inches (4.45 cm).
5. The system according to claim 1, further including at least one removable tray in said drawer.
6. The system according to claim 5 wherein said tray includes means for supporting said data storage device in a desired position.
7. The system according to claim 5 wherein said tray is configured to support said data storage device in a desired position such that an exposed face of said data storage device is visible.
8. The system according to claim 7 said data storage device is supported in an inclined position.

9. The system according to claim 5 wherein said tray is configured to receive a plurality of data storage devices.
10. The system according to claim 5 wherein said tray includes a lid.
11. The system according to claim 8 wherein said lid includes means for locking said lid in a closed position.
12. The system according to claim 1 wherein said data storage device includes a memory chip.
13. A computer system, comprising:
 - a rack comprising a mounting means disposed along an interior surface;
 - a microprocessor mounted in said rack;
 - at least one drawer mounted in said rack, said drawer being slidably engageable along said mounting means;
 - a plurality of trays disposed in said drawer, the trays being removable from the drawer and disposed parallel to each other in said drawer; and
 - a plurality of data storage devices disposed in each of said trays, said data storage devices being removable from said trays and being arranged back-to-back in a stacking arrangement.
14. The computer system according to claim 13 wherein:
 - said drawer is removable from said rack; and
 - said trays extend along a lengthwise direction of said drawer.
15. A method for storing magnetic tapes for use in a computer system that is supported in a frame, comprising:
 - providing a rack comprising a means for receiving a plurality of drawers;

slidably engaging a plurality of drawers along the means for receiving;

positioning a plurality of trays in at least one of the drawers, the trays being removable from the at least one drawer; and

stacking a plurality of magnetic tapes in each of the trays, the magnetic tapes being removable from the trays.

16. The method of claim 15, further comprising arranging the trays in a parallel orientation with each other.

17. The method of claim 16, further comprising stacking the magnetic tapes at an angle within the at least one drawer such that a face of the magnetic tape is angled with respect to the at least one drawer.

18. The method of claim 16, further comprising providing a plurality of slots in the trays, and positioning the magnetic tapes in the slots to prevent the magnet tapes from falling over.

19. The method of claim 16, further comprising providing the at least one drawer with a height and a length that is an integral multiple of the height.

20. The method of claim 16, further comprising positioning at least three trays in the at least one drawer, the three trays being parallel to each other and extending along a length of the at least one drawer.